



WILLIAM COOK

COOK





A World Class company

"I am proud of William Cook. I built it up almost from scratch. To me the letters WC stand for 'World Class'. I believe we are, and we can prove it to our customers."

Sir Andrew Cook CBE, Chairman



William Cook companies design, manufacture and overhaul components and systems for applications where safety and reliability are critical. Whether public or private sector, UK or worldwide, William Cook customers all have one thing in common; they cannot afford to take risks.

For nearly two centuries William Cook's core competence has been casting steel. Today, most of William Cook's components and systems for defence, rail and other industries still call for high-specification alloys and superalloys.

William Cook's three main divisions, employing over 600 people, generate revenues of £100m per year. The company's private ownership and lack of debt permit a consistent programme of investment.

This investment isn't just in William Cook's seven advanced manufacturing sites. It's in university research, sponsored students and award-winning apprentices; investment that will keep William Cook World Class.

Components and systems for applications where safety and reliability are critical

Defence and Rail

1. Lightweight, high strength, low maintenance tracks allow the world's most advanced armoured fighting vehicles to tackle the toughest terrain at high speed and with absolute dependability
2. Steering and suspension components protect British soldiers inside Foxhound patrol vehicles
3. Pressure vessels contain the superheated steam that powers the Royal Navy's nuclear submarines
4. Bogies, couplers and brake discs for urban, LRT and high speed trains throughout Europe and the USA
5. 'Wedglock' couplers connect the tube trains transporting five million passengers a day under London

Approvals and accreditations

- ✓ ISO9001
- ✓ ISO14001
- ✓ ISO45001
- ✓ Cyber Essentials Plus
- ✓ UK MOD Q1(N) naval steel castings
- ✓ UK MOD DEFSTAN 95-25 armoured steel castings
- ✓ Bundeswehr TL2350-0002 armoured steel castings
- ✓ JOSCAR
- ✓ ISO/TS 22163 (IRIS)
- ✓ RISAS
- ✓ RISQS
- ✓ EN15085 welding for railway vehicles
- ✓ Deutsche Bahn





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Components and systems for applications where safety and reliability are critical

Energy, Infrastructure and Intermodal

1. Fully machined diffusers for the primary and secondary circuits of civil and naval nuclear reactors
2. Corrosion resistant pump casings for all hostile fluids
3. Open and closed impellers for extreme duty fluid power and control
4. Structural nodes and fixtures for airports, stations and other architectural applications
5. Container fittings and securing systems for toxic cargoes

Approvals and accreditations

- ✓ ISO9001
- ✓ ISO14001
- ✓ ISO45001
- ✓ ISO17025 UKAS accredited laboratory
- ✓ NORSOK M650 4A, 5A, 6A (sand and investment castings)
- ✓ DNV GL offshore standards
- ✓ EU Pressure Equipment Directive (PED)
- ✓ Lloyd's Register of Shipping
- ✓ American Bureau of Shipping
- ✓ ISO1161 fittings for freight containers
- ✓ EN10340 Construction Product regs
- ✓ ISO19443 nuclear quality management
- ✓ ASME MO
- ✓ Fit4Nuclear





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Advanced design, manufacturing and control

- Creo Computer Aided Design and Altair Finite Element Analysis
- MAGMA fill and solidification simulation
- CNC pattern and toolmaking
- 3D scanning for reverse engineering
- Coldbox, no-bake, greensand, shell, ceramic and lost wax moulding processes to suit any production quantity
- 3D mould and pattern printing for prototypes and short runs
- AOD refining for special alloys
- Advanced in-house CNC machining up to 20 tonnes
- In-house NDT including Digital, LinAc, and Betatron radiography up to 9MeV
- In-house high and low temperature materials testing for extreme-duty alloys
- In-house destructive rig testing

William Cook - the one-stop engineering group
for all casting-related activities





HEICO - COOK DEFENCE

Stanhope
Co Durham
DL13 2YR

+44 (0)1388 528 248
sales@cookdefencesystems.co.uk

WILLIAM COOK ENGINEERING
Incorporating William Cook Machining
and ADA Machining Services

Pontefract Lane
Leeds
LS9 0DX

+44 (0)113 380 5602
machining@william-cook.co.uk

Kayley Industrial Estate
Ashton-under-Lyne
OL7 0AU

+44 (0)161 339 3221
mail@ada-ms.co.uk

WILLIAM COOK RAIL
Incorporating Crowle Wharf Engineers

Cross Green
Leeds
LS9 0DX

+44 (0)113 249 6363
rail@cook-rail.co.uk

Wharf Road
Scunthorpe
DN17 4JW

+44 (0)1724 710 455
info@cwelimited.com

WILLIAM COOK INDUSTRIAL
Incorporating William Cook Cast Products
and Cook PCC

Parkway Avenue
Sheffield
S9 4WA

+44 (0)114 273 1252
castproducts@william-cook.co.uk



WILLIAM COOK & SONS (GLASGOW) LTD.
 GLASGOW SAW & FILE WORKS, Cranstonhill, GLASGOW.  **GLASGOW STEEL WORKS**, Washford Road, SHEFFIELD.

SWAGED CIRCULAR SAWS.

No. 3.

WE MAKE A
SPECIALITY OF
SWAGED
CIRCULAR SAWS,
AND
GUARANTEE



BEST QUALITY
MATERIAL,
COMBINED WITH
FIRST CLASS
WORKMANSHIP
AND FINISH.

MACHINE GROUND

AND WARRANTED.

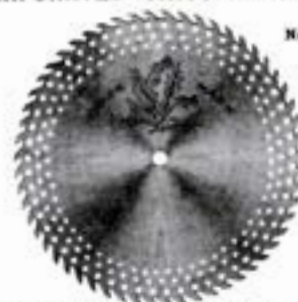
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PERFORATED CIRCULAR SAWS.

No. 4.

AS WE HAVE
SPECIAL PLANT
INSTALLED FOR THIS
CLASS OF SAW,
WE ARE
IN A POSITION TO
QUOTE
KEENEST RATES



THIS SAW IS FOUND
ADVANTAGEOUS
WHERE MACHINERY
FOR GALVANIZING
IS NOT AVAILABLE.
IT ALSO ASSISTS THE
FILE AND KEEPS
THE PITCH OF TEETH
REGULAR.

FOR SWAGED CIRCULAR SAWS THE FOLLOWING PARTICULARS ARE REQUIRED:-

Diameter of Saw	Thickness of Plate in Centre	Thickness of Teeth	Depth of Set on Teeth	Whether the Swage is to be on right or left hand side of Saw	Size of Pin	Size of Hole	Distance of Centre Hole or Key Hole from edge of Saw	Distance of Hole from edge of Saw	Shape of Teeth, See Section in this List	Type of Teeth, to be used
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Prices of Swaged and Perforated Saws, as above list, subject to discount.

STEEL

CASTINGS



FOR
COLLIERIES,
MINES,
ENGINEERS,
ETC., ETC.

SAWS

FOR
CUTTING
WOOD & IRON.

**CIRCULAR,
LONG & BAND
SAWS.**

**CRUCIBLE
CAST TOOL
STEELS.**

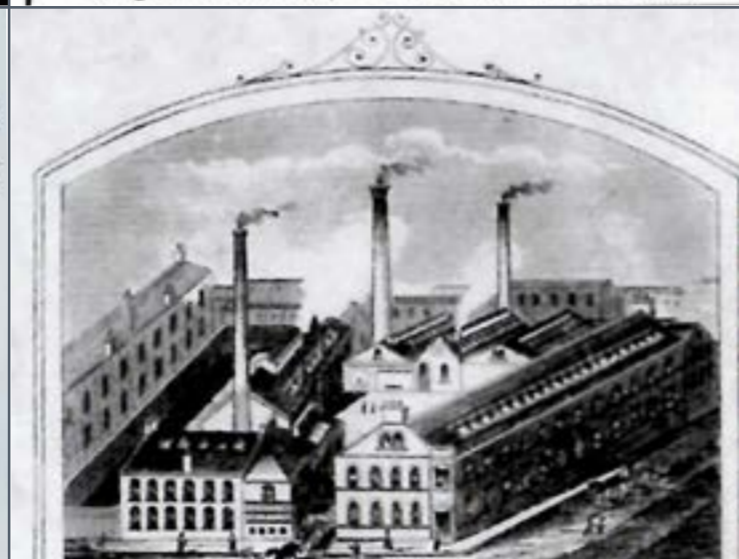
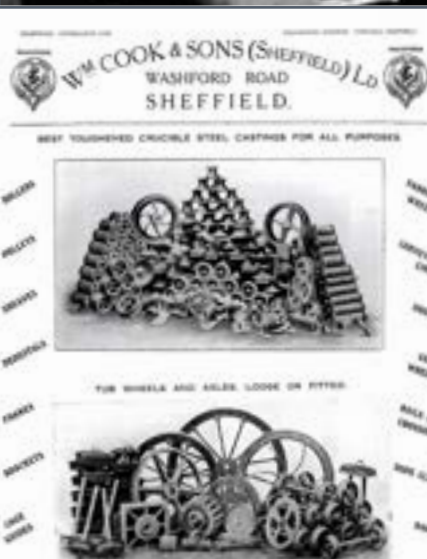
**FILES.
MACHINE IRONS.**

Telephone: 78 Central

Telegrams: "CRUCIBLE, SHEFFIELD."

WM COOK & SONS (Sheffield) LTD.

Glasgow Steel Works, SHEFFIELD, Eng. Also at GLASGOW.





www.william-cook.co.uk

